

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------------|------------------|---------|------------------|
| L1    | 24   | mina near onishi.in. or masanao near kamijo.in. or katsumi near murofusji.in.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 16:46 |
| L2    | 24   | mina near onishi.in. or masanao near kamijo.in. or katsumi near murofusji.in. and carbon and titatnium   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 09:34 |
| L3    | 0    | (mina near onishi.in. or masanao near kamijo.in. or katsumi near murofusji.in.) and carbon and titatnium   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 09:34 |
| L4    | 5    | (mina near onishi.in. or masanao near kamijo.in. or katsumi near murofusji.in.) and carbon and titanium  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 09:45 |
| L5    | 38   | carbon near black same partic\$8 near (diameter or dimension or size) with (nm or nanometer) and titanium near black same partic\$8 near (diameter or dimension or size) with (nm or nanometer) and (filter or resist near composition)                            | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:18 |
| L6    | 73   | carbon near black same partic\$8 near (diameter or dimension or size) with (nm or nanometer) same titanium near black same partic\$8 near (diameter or dimension or size) with (nm or nanometer)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:19 |
| L7    | 189  | carbon with partic\$8 near (diameter or dimension or size) with (nm or nanometer) same titanium with partic\$8 near (diameter or dimension or size) with (nm or nanometer)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:20 |
| L8    | 65   | (carbon with partic\$8 near (diameter or dimension or size) with (nm or nanometer) same titanium with partic\$8 near (diameter or dimension or size) with (nm or nanometer)).ab.   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:27 |
| L9    | 5218 | (carbon with (nanopartic\$8 or partic\$8 near (diameter or dimension or size) with (nm or nanometer)) same (titanium with nanopartic\$8 or partic\$8 near (diameter or dimension or size) with (nm or nanometer)))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:28 |
| L10   | 342  | (carbon with (nanopartic\$8 or partic\$8 near (diameter or dimension or size) with (nm or nanometer)) same titanium with (nanopartic\$8 or partic\$8 near (diameter or dimension or size) with (nm or nanometer)))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:30 |
| L11   | 13   | (carbon with (nanopartic\$8 or partic\$8 near (diameter or dimension or size) with (nm or nanometer)) same titanium with (nanopartic\$8 or partic\$8 near (diameter or dimension or size) with (nm or nanometer))) and black near (coat\$4 or resin or matrix)     | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 11:01 |
| L12   | 2    | "2002285007"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 10:34 |
| L13   | 3    | "2000056124"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 11:01 |
| L14   | 13   | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) same titanium with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer)))) and black near (coat\$4 or resin or matrix) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2007/07/11 11:02 |

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|     |     |  |                                    |    |    |                  |
|-----|-----|--|------------------------------------|----|----|------------------|
| L15 | 13  | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) same titanium with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer)))) and black near ((coat\$4 or resin or matrix) or (color near filter))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:02 |
| L16 | 13  | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) same titanium with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer)))) and black near ((coat\$4 or resin or matrix or resist) or (color near filter))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:04 |
| L17 | 342 | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) same titanium with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer)))) and black near ((coat\$4 or resin or matrix or resist) or (color near filter))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:04 |
| L18 | 44  | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) same titanium with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer)))) and (black near ((coat\$4 or resin or matrix or resist) or (color near filter)) or photosensitive or light near sensitive or light near abosr\$8) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:13 |
| L19 | 44  | I18 not I13  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:07 |
| L20 | 812 | carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) and (black near ((coat\$4 or resin or matrix or resist) or (color near filter)) or photosensitive or light near sensitive or light near abosr\$8)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:14 |
| L21 | 326 | carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) and (black near ((coat\$4 or resin or matrix or resist) or (color near filter)))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:15 |
| L22 | 65  | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))).clm. and (black near ((coat\$4 or resin or matrix or resist) or (color near filter)))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:15 |
| L23 | 57  | (carbon with (nanopartic\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))).ab. and (black near ((coat\$4 or resin or matrix or resist) or (color near filter)))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 15:09 |
| L24 | 108 | I22 or I23   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:19 |
| L25 | 3   | "0987303"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:19 |
| L26 | 8   | "987303"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 11:56 |
| L27 | 3   | "2002093255"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 12:08 |
| L28 | 7   | "5908721"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/07/11 12:08 |

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|     |      |   |                                    |    |     |                  |
|-----|------|---|------------------------------------|----|-----|------------------|
| L29 | 4    | titanium near black with (nanopartics\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) and ((color or colour) near filter)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 12:21 |
| L30 | 15   | titanium near black with (nanopartics\$8 or (partic\$8 near (diameter or dimension or size) with (nm or nanometer))) and (((color or colour) near filter) or black with (resin or resist or matrix))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 12:22 |
| L31 | 11   | l30 not l29   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 12:22 |
| L32 | 1455 | black near ((coat\$4 or resin or matrix or resist) or (color near filter)) and (matri\$3 or resin\$3 or binder) same (acrylate or methacrylate) and (carbon or titanium) near black   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 15:12 |
| L33 | 48   | black near ((coat\$4 or resin or matrix or resist) or (color near filter)) and (matri\$3 or resin\$3 or binder) same (acrylate or methacrylate) same (quarter\$8 or quatern\$6) and (carbon or titanium) near black                                       | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 15:59 |
| L34 | 2    | ("4943512"   "5721076").PN.   | US-PGPUB; USPAT; USOCR             | OR | OFF | 2007/07/11 15:28 |
| L35 | 3    | "5908720"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 15:48 |
| L36 | 3    | "11084126"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 15:48 |
| L37 | 30   | black near ((coat\$4 or resin or matrix or resist) or (color near filter)) and (matri\$3 or resin\$3 or binder) same (acrylate or methacrylate) and (carbon) near black with surface with carboxy\$6  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 15:59 |
| L38 | 30   | black near ((coat\$4 or resin or matrix or resist) or ((color or colour) near filter)) and (matri\$3 or resin\$3 or binder) same (acrylate or methacrylate) and (carbon) near black with surface with carboxy\$6  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 16:20 |
| L39 | 4    | black near ((coat\$4 or resin or matrix or resist) or ((color or colour) near filter)) and (matri\$3 or resin\$3 or binder) same (acrylate or methacrylate) and (carbon) near black with surface with carboxy\$6 with (concentration or amount or number) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 16:22 |
| L40 | 26   | black near ((coat\$4 or resin or matrix or resist) or ((color or colour) near filter)) and (carbon) near black with surface with carboxy\$6 with (concentration or amount or number)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 16:35 |
| L41 | 41   | black near2 ((coat\$4 or resin or matrix or resist) or ((color or colour) near filter)) and (carbon) near black with surface with carboxy\$6 with (concentration or amount or number)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 16:37 |
| L42 | 15   | l41 not l40   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 16:36 |
| L43 | 44   | black near2 ((coat\$4 or resin or matrix or resist) or ((color or colour) near filter)) and (carbon) with surface with carboxy\$6 with (concentration or amount or number)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2007/07/11 16:37 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| L44 | 3   | I43 not I41   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 16:44 |
| L45 | 3   | "2002093255"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 16:45 |
| L46 | 2   | "02093255"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 16:45 |
| L47 | 3   | "093255"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 16:45 |
| L48 | 89  | "93255"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 16:46 |
| L49 | 0   | mina near onishi.in. and kamata near hirotoshi.in. and katoh near tsuyoishi.in. and miyajima near yoshio.in. and murofushi near katsumi.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 16:48 |
| L50 | 2   | mina near onishi.in. and kamata near hirotoshi.in. and katoh near tsuyoshi.in. and miyajima near yoshio.in. and murofushi near katsumi.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 17:04 |
| L51 | 98  | 252/582.ccls. and carbon and titanium   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 17:05 |
| L52 | 62  | 252/582.ccls. and carbon and titanium and filter  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 17:09 |
| L53 | 132 | 524/556.ccls. and carbon and titanium and filter  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 17:09 |
| L54 | 37  | 524/556.ccls. and carbon near black and titanium near (oxide or black) and filter   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/11 17:09 |